

# **MATERIAL SAFETY & DATA SHEET**

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## **1. PRODUCT AND COMPANY IDENTIFICATION**

Trade name **AQUISOL PC-1101**  
Chemical Family  
Generic Name Cationic acrylamide copolymer  
Product Description  
Data on the Company **Please note: This is the MSDS provided by the supplier of these goods to FIBRECRAFTS.**  
**FIBRECRAFTS does not have the qualifications necessary to gather such specialised data.**  
**Tel: 01483 565800**

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## **2. HAZARDS IDENTIFICATION**

Health effects

Skin

May cause slight irritation, especially with repeated or prolonged exposure.

Eyes

May cause some irritation which should cease on removal of the product.

Inhalation

May cause some irritation to the respiratory system if dust is inhaled.

Ingestion

Low toxicity product.

Physical/chemical effects

Not classified as hazardous by physical/chemical properties. This type of product has a tendency to create dust if roughly handled. This product does not burn readily, but with many organic powders, flammable dust clouds may be formed in air. Avoid creating dust and keep away from sources of ignition. Very slippery when wet.

Environmental effects

Low acute LC<sub>50</sub> to fish, but not expected to cause long term adverse effects to the aquatic environment.

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## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical characterisation Cationic polyacrylamide

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## **4. FIRST AID MEASURES**

Skin contact

Wash contaminated area with soap and water. Contaminated clothing should be washed before re-use.

Eye contact

Irrigate the eye with water for 15 minutes. If there is any irritation obtain medical attention immediately.

Inhalation

Remove the casualty to fresh air. Clear any blocked airway. If recovery is delayed seek medical advice.

## Ingestion

Do not make the casualty vomit. If unconscious do not give mouth to mouth. Check breathing and pulse, if present, place in the recovery position and obtain medical attention. If conscious rinse out the mouth with water. Give 1 pint of water to drink immediately and repeated drinks of water at a rate of a cupful (1/3 pint) every 10 minutes. Obtain medical attention immediately.

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## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

Foam, dry powder, carbon dioxide, in preference to water spray. (The product becomes very slippery when wet).

### Extinguishing media which must not be used for safety reasons

Not applicable

### Special exposure hazards

Not applicable

### Special protective equipment for fire-fighters

As for all fires involving chemicals: chemical protection suit, suitable gloves and boots, and self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Avoid dust formation. Use personal protective equipment / effective dust mask.

### Environmental precautions

Do not let product enter drains. Do not contaminate surface water.

### Methods for cleaning up

Sweep up and shovel into suitable containers for disposal. Residues or small spillages should be hosed away completely with plenty of water. Spilled product which becomes wet or spilled aqueous solutions creates a hazard because of their slippery nature. The spillage should be contained with earth or sand and removed for disposal.

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## 7. HANDLING AND STORAGE

### Handling precautions

As with many organic powders flammable dust clouds may be formed. Avoid creating dust and keep away from sources of ignition. Do not breathe dust. Do not eat, drink or smoke whilst handling the product. Remove contaminated clothing immediately and launder before re-use. Wash hands after use.

### Storage conditions

Avoid wet, damp and humid conditions, Keep in a dry, cool place. Avoid extremes of temperature.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

UK HSE EH40

### Dust:

10 mg/m<sup>3</sup> 8-hour TWA total inhalable dust

4 mg/m<sup>3</sup> 8-hour TWA respirable dust

### Engineering measures

Ensure adequate ventilation, especially in confined areas, provide appropriate exhaust ventilation at places where dust is formed.

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## 9. PERSONAL PROTECTION EQUIPMENT

### Respiratory protection

If dust is created:

Effective dust mask (disposable, EN 149 FFP2S)

Half or full mask with particle filter type P2 (European Standard).

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### 13. ECOLOGICAL INFORMATION

From tests on a product range, toxicity to fish (96 hr LC<sub>50</sub>) when tested in pure water 10-100ppm. When tested in water with more than 10ppm total dissolved organic carbon, aquatic LC<sub>50</sub> is increased by about 100 fold.

Acute effects on aquatic organisms are entirely due to the cationic charge of the polymer, which is completely neutralised in natural water courses by irreversible adsorption onto particles, hydrolysis and dissolved organic carbon.

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### 14. DISPOSAL CONSIDERATIONS

Dispose in accordance with local regulations. In the UK disposal may be made to a licensed treatment/disposal site in accordance with the provisions of "The Environmental Protection Act 1990".

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### 15. TRANSPORT INFORMATION

UK road/rail	Not classified as dangerous in the meaning of transport regulations.
IMDG	Not classified as dangerous in the meaning of transport regulations.
ICAO	Not classified as dangerous in the meaning of transport regulations.
ADR	Not classified as dangerous in the meaning of transport regulations.

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### 16. REGULATORY INFORMATION

Supply classification

Hazard symbol(s)                      None.

Risk phrases                              None.

Safety phrases                            None.

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### 17. OTHER INFORMATION

Recommended use                      Retention Aid

Further information

Product classified and safety data sheet produced according to EEC directives as implemented in the UK by the Chemical (Hazard Information and Packaging) Regulation.

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Legend: N.A. = Datum Not Available

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